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Number of Lines: 24

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Research Information

Service: Terms and Connectors Search

Print Request: Current Document: 1

Source: Utility, Design and Plant Patents

Search Terms: patno=6,678,502

Send to: LEHMAN, KAREN
USPTO
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ALEXANDRIA, VA 22314-5790

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6678502

[Link to Claims Section](#)

January 13, 2004

Wireless transmitting method, wire transmitting method, wireless transmitter and wired transmitter

APPL-NO: 667163 (09)

FILED-DATE: September 21, 2000

GRANTED-DATE: January 13, 2004

Query/Command : PRT SS 1 MAX 1 LEGAL

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Patent Number :

US2003224713 A1 20031204 [US20030224713]

Patent Number 2 :

US6676502 B2 20040113 [US6676502]

Title :

(A1) METHOD AND MEANS FOR STUFFING NATURAL CASINGS WITH SAUSAGE EMULSION

Patent Assignee :

(A1) TOWNSEND ENGINEERING CO (US)

Patent Assignee :

Townsend Engineering Company, Des Moines IA [US]

Patent Assignee 2 :

(B2) TOWNSEND ENGINEERING CO (US)

Inventor(s) :

(A1) HAMBLIN DAVID S (US); HARDY MICHAEL J (US); HERGOTT STEVEN P (US)

Application Nbr :

US16093102 20020531 [2002US-0160931]

Priority Details :

US16093102 20020531 [2002US-0160931]

Intl Patent Class :

(A1) A22C-011/00

IPC Advanced All :

A22C-011/02 [2006-01 A - I R M EP]

IPC Core All :

A22C-011/00 [2006 C - I R M EP]

EPO ECLA Class :

A22C-011/02B

US Patent Class :

ORIGINAL (O) : 452033000

Document Type :

Corresponding document

Citations :

Cited; US2568491; US3404430; US3826852; USRE30390; US4525895; US4649602;

US4768261; US6066036; Cited; US-997547; US3805329; US3952370;

US4112546; US4202075; US4683617; US6139416; DE1136604; DE4232759;

FR2780246

Publication Stage :

(A1) Utility Patent Application published on or after January 2, 2001

Publication Stage 2 :

(B2) U.S. Patent (with pre-grant pub.) after Jan. 2, 2001

1 / 1 LGST - ©EPO

Patent Number :

US2003224713 A1 20031204 [US20030224713]

US6676502 B2 20040113 [US6676502]

Application Number :

US16093102 20020531 [2002US-0160931]

Action Taken :

20020812 US/AS-A

ASSIGNMENT

OWNER: TOWNSEND ENGINEERING COMPANY 2425 HUBBELL AVENUEDE

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HERGOTT, STEVEN P.

/AR;REEL/FRAME:013175/0529;SIGNING DATES FROM 20020529 TO 20020530

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REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040204

20060418 US/AS-A

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NUNC PRO TUNC ASSIGNMENT;ASSIGNOR:TOWNSEND ENGINEERING
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